Notice of Allowability	Application No.	Applicant(s)
	10/665,444	SAWICKI ET AL.
	Examiner	Art Unit	
	Maikhanh Nguyen	2176	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *RCE filed 12/27/2006 and the telephonic interview 03/07/2007*.

2. ☒ The allowed claim(s) is/are *1, 5-10, 16-17, 19, and 21-29 (now renumbered as 1-19)*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

       1. ☐ Certified copies of the priority documents have been received.

       2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

       3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

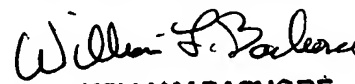   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

       1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material ·

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

WILLIAM BASHORE
PRIMARY EXAMINER

Examiner's Amendment

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37

CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no

later than the payment of the issue fee.

2.   Authorization for this examiner's amendment was given in a telephone interview with

Mr. D. Kent Stier (Reg. No. 50,640) on March 07, 2007.

The application has been amended as follows:

In the claims:

(i).   All previous copies of claims 1, 5-7, 10, 16, 19, 25, and 26 have been replaced

with the following clean copy of claims 1, 5-7, 10, 16, 19, 25, and 26 as

amended by the Examiner's amendment:

1.   A computer-readable storage medium which stores a set of instructions which

when executed performs a method for editing an electronic document comprising one or

more markup language tags, the method executed by the set of instructions comprising:

providing a first editing mode in which the one or more markup language tags are

displayed;

associating a placeholder with the one or more of markup language tags;

exposing a property for each tag in the electronic document, wherein the property

for each tag to be programmatically set for each tag in the electronic document to assign

a placeholder to the tag; and

displaying the placeholder for each of the one or more markup language tags that is

empty while operating in a second editing mode in which the markup language tags are

not displayed wherein displaying the placeholder further comprises,

receiving a selection of typed data in the electronic document while

operating in the editing mode in which the markup language tags are not displayed,

the typed data being associated with the placeholder for a tag;

receiving a delete request for the typed data; and

in response to receiving the delete request, removing the typed data and

inserting the placeholder for the tag associated with the typed data, and

wherein displaying the placeholder further comprises,

determining a text identifying a name for the one or more of the markup

language tags associated with the placeholder, the text identifying the name being

defined in one of the following: a schema library and a configuration file,

determining whether a user-defined text string has been previously defined by a user,

setting the placeholder equal to the user-defined text string if it was determined that the user-defined text string has been previously defined by the user,

setting the placeholder equal to the text identifying the name for the one or more of the markup language tags associated with the placeholder if it was determined that the user-defined text string has not been previously defined by the user;

not displaying the placeholders while operating in the first editing mode;

receiving a selection of the placeholder for a tag;

receiving typed data following the selection of the placeholder for the tag;

in response to receiving the typed data, removing the placeholder for the tag and inserting the typed data within the tag;

determining whether the typed data has been removed;

in response to determining that the typed data has been removed, displaying the placeholder for the tag while operating within the second editing mode; and

wherein the text is defined in an XML Schema Definition (XSD) schema file.

5.   The method of Claim 1, further comprising removing the placeholder while operating in the first editing mode in which the markup language tags are displayed.

6.   The method of Claim 5, further comprising:

receiving a selection of the placeholder for a tag while operating in the second editing mode in which the markup language tags are not displayed;

receiving typed data following the selection of the placeholder for the tag; and

in response to receiving the typed data, removing the placeholder for the tag and inserting the typed data within the tag.

7.   The method of Claim 6, further comprising:

receiving a selection of the placeholder for a tag while operating in the second editing mode in which the markup language tags are not displayed;

receiving a delete request following the selection of the placeholder for the tag; and

in response to receiving the delete request, deleting the tag and the placeholder for the tag from the electronic document.

10.   In a computer application program for editing an electronic document comprising one or more markup language tags, a method for editing the electronic document, the method comprising:

providing a first editing mode in which the one or more markup language tags are displayed along with other contents of the document;

providing a second editing mode in which the markup language tags are not displayed with other contents of the document;

while operating in the second editing mode, determining whether any of the markup language tags are empty;

exposing a property for each tag in the electronic document, wherein the property for each tag to be programmatically set for each tag in the electronic document to assign a placeholder to the tag;

in response to determining that one or more of the markup language tags are empty, a placeholder for each empty tag is displayed, wherein the placeholder further comprises,

while operating in the second editing mode in which the markup language tags are not displayed, the placeholder is selected by using a mouse or other pointing device;

receiving a delete request for the typed data; and

in response to receiving the delete request, removing the typed data and inserting the placeholder for the tag associated with the typed data, and wherein displaying the placeholder further comprises,

determining a text identifying a name for the one or more of the markup language tags associated with the placeholder,

determining whether a user-defined text string has been previously defined by a user,

setting the placeholder equal to the user-defined text string if it was determined that the user-defined text string has been previously defined by the user,

setting the placeholder equal to the text identifying the name for the one or more of the markup language tags associated with the placeholder if it was determined that the user-defined text string has not been previously defined by the user;

not displaying the placeholders while operating in the first editing mode;

receiving a selection of the placeholder for a tag;

receiving typed data following the selection of the placeholder for the tag;

in response to receiving the typed data, removing the placeholder for the tag and inserting the typed data within the tag;

determining whether the typed data has been removed;

in response to determining that the typed data has been removed,

displaying the placeholder for the tag while operating within the second editing

mode; and

wherein the text is defined in an XML Schema Definition (XSD) schema

file.

16.   The method of Claim 10, further comprising:

receiving the selection of the placeholder for a tag;

following receipt of the selection of the placeholder, receiving a request to move

the tag to a destination location within the electronic document; and

moving the tag and the selected placeholder to the destination location in response

to the request.

19.   The method of Claim 1, further comprising:

exposing a property for the electronic document, wherein the property for the

electronic document may be set to cause the placeholders to be displayed when operating

in the second editing mode.

25.   A method for editing an electronic document comprising one or more markup

language tags, the method comprising:

providing a first editing mode in which the one or more markup language tags are displayed;

associating a placeholder with the one or more of markup language tags;

exposing a property for each tag in the electronic document, wherein the property for each tag to be programmatically set for each tag in the electronic document to assign a placeholder to the tag; and

displaying the placeholder for each of the one or more markup language tags that is empty while operating in second editing mode in which the markup language tags are not displayed wherein displaying the placeholder further comprises,

determining a text identifying a name for the one or more of the markup language tags associated with the placeholder, the text identifying the name being defined in one of the following: a schema library and a configuration file,

determining whether a user-defined text string has been previously defined by a user,

setting the placeholder equal to the user-defined text if it was determined that the user-defined text string has been previously defined by the user, and

setting the placeholder equal to the text identifying the name for the one or more of the markup language tags associated with the placeholder if it was determined that the user-defined text string has not been previously defined by the user;

not displaying the placeholders while operating in the first editing mode;

receiving a selection of the placeholder for a tag;

receiving typed data following the selection of the placeholder for the tag;

in response to receiving the typed data, removing the placeholder for the

tag and inserting the typed data within the tag;

determining whether the typed data has been removed;

in response to determining that the typed data has been removed,

displaying the placeholder for the tag while operating within the second editing

mode; and

wherein the text is defined in an XML Schema Definition (XSD) schema

file.

26.   The method of Claim 25, further comprising removing the placeholder while

operating in the first editing mode in which the markup language tags are displayed.

(ii).   Claims 12-14, 18, and 20 have been cancelled.

3.   Any comments considered necessary by applicant must be submitted no later than the

payment of the Issue Fee and, to avoid processing delays, should preferably accompany

the issue fee. Such submissions should be clearly labeled "Comments on Statement of

Reasons for Allowance."

Conclusion

4.   The prior art made of record, listed on PTO 892 provided to Applicant is considered to

have relevancy to the claimed invention. Applicant should review each identified

reference carefully before responding to this office action to properly advance the case in

light of the prior art.

Contact information

5.   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Maikhanh Nguyen whose telephone number is (571) 272-

4093. The examiner can normally be reached on Monday - Friday from 9:00am – 5:30

pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Heather Herndon can be reached at (571) 272-4136.

The fax phone number for the organization where this application or proceeding is

assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:
Commissioner for patents
P.O. Box 1450
Alexandria, VA 22313-1450

Maikhanh Nguyen

WILLIAM BASHORE
PRIMARY EXAMINER